

July 7, 2004

Hazardous, Toxic and Radioactive Waste  
Center of Expertise

Patrick Conlon  
STL Pittsburgh  
450 William Pitt Way  
Pittsburgh, PA 15238

Dear Mr. Conlon:

This correspondence addresses the ongoing validation status of STL Pittsburgh of Pittsburgh, PA for the U.S. Army Corps of Engineers (USACE) for chemical analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program, by the addition of automated Soxhlet extraction by Method 3541.

Your laboratory is now validated for the parameters listed below:

METHOD <sup>(1)</sup>	PARAMETERS	MATRIX <sup>(1)</sup>
9056	Anions <sup>(5)</sup>	Water <sup>(3)</sup>
9056M	Anions <sup>(5)</sup>	Solids <sup>(3)</sup>
9010B/9012A	Cyanide	Water <sup>(3)</sup>
1664A	Oil & Grease	Water <sup>(3)</sup>
1664A	Oil & Grease	Solids <sup>(3)</sup>
3510C/8081A	Pesticides	Water <sup>(3)</sup>
3541/3550B/8081A	Pesticides	Solids <sup>(3)</sup>
3510C/8141A	Organophosphorus Pesticides	Water <sup>(3)</sup>
3550B/8141A	Organophosphorus Pesticides	Solids <sup>(3)</sup>
3510C/8082	Polychlorinated Biphenyls	Water <sup>(3)</sup>
3541/3550B/8082	Polychlorinated Biphenyls	Solids <sup>(3)</sup>
8151A	Herbicides	Water <sup>(3)</sup>
8151A	Herbicides	Solids <sup>(3)</sup>
3520C/8270C	Semivolatile Organics	Water <sup>(3)</sup>
3541/3550B/8270C	Semivolatile Organics	Solids <sup>(3)</sup>
7196A	Hexavalent Chromium	Water <sup>(3)</sup>
7196A	Hexavalent Chromium	Solids <sup>(3)</sup>

METHOD <sup>(1)</sup>	PARAMETERS	MATRIX <sup>(1)</sup>
6010B/7000A	TAL Metals <sup>(4)</sup>	Water <sup>(3)</sup>
6010B/7000A	TAL Metals <sup>(4)</sup>	Solids <sup>(3)</sup>
3510C/8310	PAH	Water <sup>(3)</sup>
3541/3550B/8310	PAH	Solids <sup>(3)</sup>
9060	TOC	Water <sup>(3)</sup>
5030B/8260B	Volatile Organics	Water <sup>(3)</sup>
5030B/5035/8260B	Volatile Organics	Solids <sup>(3)</sup>

- Remarks:
- 1) Sample preparation methods have been added to reflect program policy change.
  - 2) 'Solids' includes soils, sediments, and solid waste.
  - 3) The laboratory has successfully analyzed a Proficiency Testing sample for this method/matrix.
  - 4) TAL Metals: 6010B; Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, , nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc, 7470A/7471A; mercury.
  - 5) Anions: Chloride, fluoride, sulfate, nitrate, nitrite, and ortho-phosphate.

Based on the successful analysis of the National Environmental Laboratory Accreditation Conference Proficiency Testing samples for the appropriate fields of testing, the results of the laboratory inspection, and your Corrective Action Report, your laboratory will be validated for sample analysis by the methods listed above. The evaluation, which was conducted for your facility, is based substantially on ISO Guide 25 (General Requirements for the Competence of Testing Laboratories) and USACE Engineering Manual (EM) 200-1-3, Appendix I (Shell for Analytical Chemistry Requirements). The period of validation has been previously established and expires on September 29, 2005.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Kevin Coats at (402) 697-2563. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

Sincerely,

Marcia C. Davies, Ph.D.  
Director, USACE Hazardous,  
Toxic and Radioactive Waste  
Center of Expertise